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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/355,014	09/13/1999	VANESSA HSEI	P1085R3	5890

7590 11/29/2002

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EXAMINER

HELMS, LARRY RONALD

ART UNIT PAPER NUMBER

1642

DATE MAILED: 11/29/2002

22

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action

Application No.

09/355,014

Applicant(s)

HSEI ET AL.

Examiner

Larry R. Helms

Art Unit

1642

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 11 November 2002 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

- a) ☐ The period for reply expires _____ months from the mailing date of the final rejection.
- b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. ☐ A Notice of Appeal was filed on _____. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. ☐ The proposed amendment(s) will not be entered because:
- (a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below);
- (b) ☐ they raise the issue of new matter (see Note below);
- (c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- (d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____.

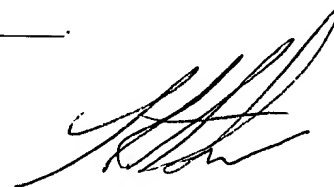
3. ☒ Applicant's reply has overcome the following rejection(s): See Continuation Sheet.
4. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5. ☒ The a) ☐ affidavit, b) ☐ exhibit, or c) ☒ request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
6. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. ☒ For purposes of Appeal, the proposed amendment(s) a) ☐ will not be entered or b) ☒ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: none.Claim(s) objected to: 26 and 27.Claim(s) rejected: 1-48-9, 13, 15-16, 18, 20-25, 28, 30-34.

Claim(s) withdrawn from consideration: _____.

8. ☐ The proposed drawing correction filed on _____ is a) ☐ approved or b) ☐ disapproved by the Examiner.
9. ☐ Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____.
10. ☐ Other: _____



Continuation of 3. Applicant's reply has overcome the following rejection(s): obvious-type double patenting over 09/489394, the 103 over Faanes et al, the 103 of Faanes and Harlow and 103 with Faanes and Doerschuk.

Continuation of 5. does NOT place the application in condition for allowance because: The 103 rejection over Faanes and Zapata is maintained. The response filed 11/11/02 has been carefully considered but is deemed not to be persuasive. The response states that random and site-directed mutagenesis are mutually exclusive and one would not combine the teachings of Faanes and Zapata. In response to this argument, both Faanes and Zapata require that their antibodies bind antigen and as such modification by either method resulted in a functioning antibody, however, it would be obvious to control the sites of modification as taught by Zapata. The response states that even if combined the references do not make obvious the claimed invention and states that in view of the Knauf et al reference (JBC 263:15064-70, 1988) one could not extrapolate from Zapata's data. The response states that Knauf observed no further decrease in clearance rates above 70kD molecular weights and one would not expect the clearance rate to be reduced with the 500 kD claimed antibody. In response to this argument, while it is true that Knauf teaches reduced clearance above 70 kD the modifications to the antibodies of both Faanes and Zapata are for increasing the serum half life (see abstract of Faanes) or reducing the clearance rates (see Zapata). Thus Knauf et al also supports high molecular weights results in decreased clearance which is the effect both Faanes and Zapata are after.